

Appl. No. 09/819,194
Amtd. B dated June 20, 2003
Reply to Office action of April 28, 2003

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

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1. (currently amended) A portable facility for reconditioning an antifriction bearing having components including a race provided with a raceway and rolling elements that roll along the raceway, said facility comprising: an enclosure that is portable in the sense that it can be moved by a transport vehicle; equipment means within the enclosure for inspecting components of the bearing; and more equipment means within the enclosure for repairing defects in components of the bearing.
2. (currently amended) A portable facility according to claim 1 and further comprising equipment means within the enclosure for lubricating the bearing.
3. (currently amended) A portable facility according to claim 2 and further comprising equipment means for cleaning the bearing.
4. (currently amended) A portable enclosure according to claim 3 wherein the equipment means for cleaning the bearing is located outside the enclosure.
5. (currently amended) A portable facility according to claim 4 wherein the enclosure has at least one end through which access to the interior of the enclosure is obtained, and further comprising a deck at said one end of the enclosure, the equipment means for cleaning the bearing being on the deck.
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6. (currently amended) A portable facility according to claim 2 wherein the enclosure contains stations at which the ~~equipment~~ means for inspecting, repairing defects, and lubricating the bearings is are located; wherein the enclosure has side walls and the stations are located along the side walls; and wherein a center aisle separates the stations along each side wall.

7. (original) A portable facility according to claim 1 wherein the enclosure has side walls, ends through which access to the interior of the enclosure is obtained, a roof which extends between the side walls and over the interior of the enclosure, and doors attached to the side walls for closing the ends of the enclosure.

8. (currently amended) A portable facility for reconditioning a tapered roller bearing including a cup having a tapered raceway that is presented inwardly, a cone having a tapered raceway that is presented outwardly toward the raceway of the cup, tapered rollers located in a row between the raceways of the cup and cone, and a cage fitted to the rollers to maintain the correct spacing between the rollers and to retain the rollers around the cone in the absence of the cup, thus uniting the cone, rollers and cage into a cone assembly, said facility comprising: an enclosure containing a plurality of stations and being portable in the sense that it can be moved by a transport vehicle; ~~equipment~~ means at one of the stations for inspecting the cone assembly; ~~equipment~~ means at another of the stations for inspecting and repairing the raceway of the cup; ~~equipment~~ means at still another station for opening the cage and releasing the rollers;

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equipment means at yet another station for repairing the raceway of the cone; and
equipment means at another station for closing a new cage about the rollers on the
cone to retain the rollers on the cone and unite the cone assembly formed by cone,
rollers, and new cage;

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9. (currently amended) A portable facility according to claim 8 and further
comprising equipment means in the enclosure at another station for lubricating the cone
assembly and equipment means at still another station for installing a seal into the cup,
with the seal being configured to retain the cone assembly in the cup.

10. (currently amended) A portable facility according to claim 8 for
reconditioning a bearing having two raceways in its cup, two cone assemblies, and a
spacer between the cones, with the spacer being long enough to impart end play to the
bearing; and further comprising equipment means at yet another station for measuring
the end play in the bearing.

11. (original) A portable facility according to claim 8 wherein the enclosure
has side walls; wherein the stations are located along the side walls; and wherein the
enclosure contains an aisle that is located between the stations along each side wall.

12. (currently amended) A portable facility according to claim 8 and further
comprising a deck adjacent to the enclosure and equipment means on the deck for
removing grease from the bearing.

Claims 13-18 (previously withdrawn)

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19. (currently amended) A portable facility according to claim 1 wherein the bearing which is reconditioned at the facility has a cage within which the rolling elements are located, with the cage serving to maintain the proper spacing between the rolling elements and further holding the rollers around the raceway of the race when the race is removed from an opposing raceway; and wherein the enclosure contains equipment means for opening the cage to release the rolling elements from the race and equipment means for closing a cage around rolling elements to retain the rolling elements on the race.

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